

Product datasheet for **TP726695**

Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant Human CD299 (N-8His-Flag) |
| Species: | Human |
| Expression cDNA Clone or AA Sequence: | Ser73-Glu376 |
| Tag: | N-8His-Flag |
| Buffer: | Lyophilized from a 0.2 um filtered solution of PBS, pH7.4. |
| Note: | Recombinant Human C-type Lectin Domain Family 4 Member M is produced by our Mammalian expression system and the target gene encoding Ser73-Glu376 is expressed with a 6His tag at the N-terminus. |
| Stability: | 12 months from date of despatch |
| Summary: | CD299 is also known as DC-SIGNR and CLEC4M, is a type II integral membrane protein. DC-SIGNR exists as a homotetramer, and the tandem repeat domain, also called neck domain, mediates oligomerization. Multiple human DC-SIGN/CD209 splice forms exist, generating both membrane-bound and soluble forms. DC-SIGNR is regarded as a pathogen-recognition receptor involved in peripheral immune surveillance in liver, and probably mediate the endocytosis of pathogens which are subsequently degraded in lysosomal compartments. DC-SIGNR appears to selectively recognize and bind many viral surface glycoproteins containing high mannose N-linked oligosaccharides in a calcium-dependent manner, including HIV-1 gp12, HIV-2 gp12, SIV gp12, ebolavirus glycoproteins, HCV E2, and human SARS coronavirus protein S, as well as the cellular adhesion protein ICAM3. DC-SIGN/CD209 is expressed on dendritic cells (DC) and inflammatory macrophages and contributes to antigen presentation. |



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